

AMENDMENTS TO THE CLAIMS:

Please add new Claims 20 and 21.

Please amend Claims 1 and 18 as follows:

- Sub C1
1. **(Currently and Twice Amended)** A thermal interface comprising:
a first surface;
a second surface; and
a plurality of elongate fibers in contact with at least one of said first surface and said second surface, wherein at least some of said fibers have a cross sectional diameter of less than approximately 1 micron and are bonded to a portion of other fibers having a cross sectional diameter of ~~greater than~~ approximately 3-15 microns.
2. **(Canceled)**
3. **(Previously Amended)** The thermal interface of Claim 1, wherein said portion comprises a tip portion.
- Sub C1
4. **(Original)** The thermal interface of Claim 1, wherein at least some of said fibers comprise multi-walled nanotubes.
5. **(Original)** The thermal interface of Claim 1, wherein said fibers extend from at least one side of a metal membrane.
6. **(Original)** The thermal interface of Claim 5, wherein said fibers extend from both sides of said metal membrane.
7. **(Previously Amended)** A method of making a thermal interface comprising attaching whiskers having a diameter of less than about 1 micron to tip portions of fibers having a diameter of greater than about 3 microns.
8. **(Original)** The method of Claim 7, wherein the whiskers and the fibers both comprise carbon.
9. **(Original)** A method of transferring heat away from a heat source comprising:
transferring heat from said heat source to a first plurality of fibers having cross sectional diameters of less than about 1 micron;
transferring heat from said first plurality of fibers to a second plurality of fibers having cross sectional diameters of more than about 3 microns; and
transferring heat from said second plurality of fibers to a heat sink.

Sub C1 10. **(Previously Amended)** A thermally conductive gasket comprising:
a plurality of fibers having first and second ends, said fibers being predominantly aligned;

a material located predominantly proximate to said first ends, said material improving heat transfer between said first ends and a device positioned adjacent to said first ends.

11. **(Original)** The gasket of Claim 10, wherein said fibers have a diameter of more than about 3 microns, and wherein said material comprises a plurality of nanofibrils having a diameter of less than about 1 micron.

Sub C1 12. **(Original)** The gasket of Claim 10, wherein said material comprises a material which has a melting point between approximately 30 degrees C and 100 degrees C.

13. **(Original)** The gasket of Claim 12, wherein said material comprises a material which has a melting point between approximately 40 degrees C and 70 degrees C.

B1 14. **(Original)** A method of enhancing the performance of a thermally conductive gasket made from a plurality of predominantly aligned carbon fibers having diameters of more than approximately 3 microns, said method comprising placing a plurality of nanofibrils having diameters of approximately 1 micron proximate to at least some tips of said predominantly aligned carbon fibers.

15. **(Original)** The method of Claim 14, wherein at least some of said nanofibrils comprise multi-walled nanotubes.

16. **(Canceled)**

17. **(Canceled)**

Sub C1 18. **(Currently and Twice Amended)** A material comprising a first plurality of fibers and a second plurality of fibers, wherein said first plurality of fibers have a first diameter of less than about 15 micrometers, wherein said second plurality of fibers have a second diameter substantially smaller than said first diameter, and wherein at least some of said second plurality of fibers are bonded to portions of at least some of said first plurality of fibers.

19. **(Previously Added)** The material of Claim 18, wherein said first plurality of fibers comprise carbon fibers having a diameter of more than about 3 micrometers, and wherein said

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second plurality of fibers comprise carbon nanotubes having a diameter of less than about 1 micrometer.

20. (New) A thermal interface comprising:

a first surface;

a second surface; and

a plurality of elongate fibers in contact with at least one of said first surface and said

3) but
second surface, wherein at least some of said fibers have a cross sectional diameter of less than approximately 1 micron and are bonded to a tip portion of other fibers having a cross sectional diameter of greater than approximately 3 microns.

21. (New) A material comprising a first plurality of fibers and a second plurality of fibers, wherein said first plurality of fibers comprise carbon having a first diameter of approximately 3-15 micrometers, wherein said second plurality of fibers comprise nanotubes having a second diameter of less than about 1 micrometer, and wherein at least some of said second plurality of fibers are bonded to portions of at least some of said first plurality of fibers.